



# Garden PAC Heat Pump

Simply The best...

## Main Advantages

- ▶ Most energy saving product with unique technology
- ▶ Optimal performance under various condition above zero degrees ( High C.O.P.)
- ▶ Optional with intelligent " Heating Priority" function
- ▶ Quiet running
- ▶ Automatic defrost on entire range



# OPTIMAL PERFORMANCE WITH UNIQUE TECHNOLOGY

## COP stands for " Coefficient of Performance "

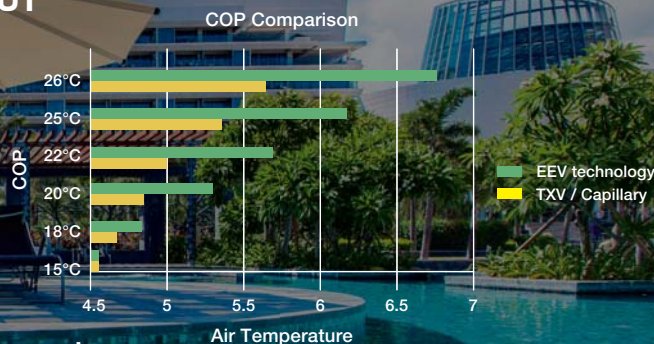
The efficiency of a heat pump is measured by C.O.P.

$$\frac{\text{Heating Output} \uparrow}{\text{Energy consumption}} = \text{C.O.P} \uparrow$$

As heat pump absorbs heat from ambient air and transfer to water, heating output varies under different ambient temperatures, hence COP varies under different conditions.

## The integration of advanced electronic expansion valve (EEV) technology makes Garden PAC an absolute standout on efficiency .

By regulating the amount of gas flowing through the evaporator based on the system pressure, an electronic expansion valve technology ensures an optimal efficiency under various ambient temperature. A higher COP means more energy saving.



### ▶ Quiet Operation

Garden PAC heat pump ensures you a comfortable experience with quiet operation.

### ▶ Durable anti-rusting cabinet

High end ABS plastic cabinet with an interior frame to make the product compact and durable.

### ▶ Optimal performance at above 0 °C

Swimming pool heat pump is mostly used in mild or warm weather, however the use of reverse 4-way valve, enables an operation above 0°C, which means you can also enjoy swimming even in a relatively cold weather, swimming season is hence extended.

### ▶ Compatibility for various salt water treatment

The heat exchanger condenser is where the actual heat exchange takes place, whereas a good quality heat exchanger condenser is crucial for the working life of the product. Garden PAC uses titanium heat exchanger which is compatible with various kinds of water treatment, and keep the heat exchanger free from corrosion.

### ▶ "Intelligent " with heating priority function

To force operation of filtration in order to maintain a Setting temperature.

SCP Ref.	GHD-150-0001	GHD-150-0002	GHD-150-0003	GHD-150-0004	GHD-150-0005	GHD-150-0005	GHD-150-0005	GHD-150-0005	
Technology	Capillary	EEV	EEV	EEV	EEV	EEV	EEV	EEV	
Performance Condition: Air 15°C, Water 26°C; RH70%									
Heating Capacity KW *	3.0	5.0	6.5	9.5	11.5	16.0	16.0	22.0	
C.O.P. *	4.0	4.50	4.60	4.70	4.60	4.50	4.60	5.10	
Performance Condition: Air 26°C, Water 26°C; RH80%									
Heating Capacity KW	4.5	7.5	10	13.5	17.5	25	25	33	
C.O.P.	5.7	6.7	6.6	7	6.7	6.9	6.9	6.8	
Rated Input Power Kw *	0.79	1.1	1.4	2.1	2.4	3.5	3.5	4.3	
Power supply	230V/1Ph/50Hz						400V/3Ph/50Hz		
Rated current (A)	3.5	5.0	6.5	9.5	11.4	16.0	5.5	9.2	
Operating air temperature (°C)	0~43	0~43	0~43	0~43	0~43	0~43	0~43	0~43	
Advised pool volume m <sup>3</sup> (with insulated pool cover)	≤35	≤35	≤50	≤70	≤90	≤110	≤110	≤150	
Advised water flux m <sup>3</sup> /h	2-3	3-4	4-6	5-7	6.5-8.5	7-9	7-9	10-12	
Sound Pressure @ 10 meters dB(A)	32.6	33.2	33.9	37.8	40.5	41.9	41.9	41.6	
Net dimension - LxWxH mm	800×312×558	800×312×558	961×312×658	961×392×658	961×392×758	1092×391×958	1092×391×958	1161×496×958	
Net weight / Gross weight Kg	38/45	42/49	55/63	70/80	72/82	105/117	105/117	123/138	

\* The advised pool volume indicated are valid under the following conditions: swimming pool covered with insulated cover at night, system running at least 15 hours per day; Heating season from 1st May to the 15th September. If not, you are kindly suggested to choose a bigger model.

\* Above data is subject to modification without notice.

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